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1. Document ID: US 20080001600 A1

L29: Entry 1 of 22

File: PGPB

Jan 3, 2008

PGPUB-DOCUMENT-NUMBER: 20080001600

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20080001600 A1

TITLE: METHODS FOR MEASUREMENT OF MAGNETIC RESONANCE SIGNAL PERTURBATIONS

PUBLICATION-DATE: January 3, 2008

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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deCharms; Richard Christopher	Montara	CA	US
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US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

2. Document ID: US 20070276221 A1

L29: Entry 2 of 22

File: PGPB

Nov 29, 2007

PGPUB-DOCUMENT-NUMBER: 20070276221

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070276221 A1

TITLE: Prescan for optimization of mri scan parameters

PUBLICATION-DATE: November 29, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Warntjes; Jan Bertus Marten	Eindhoven		NL
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US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMPC	Drawn Desc	Image				

3. Document ID: US 20060006867 A1

L29: Entry 3 of 22 File: PGPB Jan 12, 2006

PGPUB-DOCUMENT-NUMBER: 20060006867

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060006867 A1

TITLE: Magnetic resonance imaging apparatus and method

PUBLICATION-DATE: January 12, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Van Den Brink; Johan Samuel	Eindhoven		NL
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US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMPC	Drawn Desc	Image				

4. Document ID: US 20050033154 A1

PGPUB-DOCUMENT-NUMBER: 20050033154
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050033154 A1

TITLE: Methods for measurement of magnetic resonance signal perturbations

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
deCharms, Richard Christopher	Montara	CA	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw. Desc	Image				

5. Document ID: US 20040167803 A1

PGPUB-DOCUMENT-NUMBER: 20040167803
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040167803 A1

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 705/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

 6. Document ID: US 20040165757 A1

L29: Entry 6 of 22

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040165757

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040165757 A1

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

 7. Document ID: US 20040155652 A1

L29: Entry 7 of 22

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155652 A1

TITLE: Parallel magnetic resonance imaging techniques using

radiofrequency coil arrays

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sodickson, Daniel K.	Newton	MA	US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KM/C	Draw. Desc	Image				

 8. Document ID: US 20040135579 A1

L29: Entry 8 of 22

File: PGPB

Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040135579

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040135579 A1

TITLE: Magnetic resonance imaging apparatus and method

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Takizawa, Masahiro	Chiba		JP
Takahashi, Tetsuhiko	Saitama		JP
Ochi, Hisaaki	Tokyo		JP
Taniguchi, Yo	Tokyo		JP

US-CL-CURRENT: 324/309; 324/307, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KM/C	Draw. Desc	Image				

 9. Document ID: US 20040070394 A1

L29: Entry 9 of 22

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gonzalez Ballester, Miguel Angel	Nice		FR
Machida, Yoshio	Nasu-Gun		JP

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw. Desc	Image				

 10. Document ID: US 20020186870 A1

L29: Entry 10 of 22

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020186870
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020186870 A1

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131; 382/282

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw. Desc	Image				

11. Document ID: US 20020181753 A1

L29: Entry 11 of 22

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020181753

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020181753 A1

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw. Desc	Image				

12. Document ID: US 20020158632 A1

L29: Entry 12 of 22

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020158632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020158632 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sodickson MD Ph.D., Daniel K.	Cambridge	MA	US

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

13. Document ID: US 7157910 B2

L29: Entry 13 of 22

File: USPT

Jan 2, 2007

US-PAT-NO: 7157910
DOCUMENT-IDENTIFIER: US 7157910 B2

TITLE: Magnetic resonance imaging apparatus and method

DATE-ISSUED: January 2, 2007

PRIOR-PUBLICATION:

DOC-ID	DATE
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US 20060006867 A1	January 12, 2006
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INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Van Den Brink; Johan Samuel Eindhoven NL

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference	Claims	Claims	Claims	Claims	KMC	Draw Desc	Image

 14. Document ID: US 6990223 B2

L29: Entry 14 of 22

File: USPT

Jan 24, 2006

US-PAT-NO: 6990223

DOCUMENT-IDENTIFIER: US 6990223 B2

** See image for Certificate of Correction **TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

DATE-ISSUED: January 24, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20040165757 A1 August 26, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ma; Jingfei Waukesha WI US
Tan; Guosheng Waukesha WI USUS-CL-CURRENT: 382/131; 324/309, 382/274, 382/284, 600/13, 600/422

Full	Title	Citation	Front	Review	Classification	Date	
Reference	Claims	Claims	Claims	Claims	KMC	Draw Desc	Image

15. Document ID: US 6965232 B2

L29: Entry 15 of 22

File: USPT

Nov 15, 2005

US-PAT-NO: 6965232

DOCUMENT-IDENTIFIER: US 6965232 B2

TITLE: Parallel magnetic resonance imaging techniques using
radiofrequency coil arrays

DATE-ISSUED: November 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Sodickson; Daniel K.	Newton	MA		
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US-CL-CURRENT: 324/307; 324/309, 324/318, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

16. Document ID: US 6961455 B2

L29: Entry 16 of 22

File: USPT

Nov 1, 2005

US-PAT-NO: 6961455

DOCUMENT-IDENTIFIER: US 6961455 B2

** See image for Certificate of Correction **

TITLE: Automatic coil selection of multi-receiver MR data using fast
prescan data analysis

DATE-ISSUED: November 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Ma; Jingfei	Waukesha	WI	
Tan; Guosheng	Waukesha	WI	

US-CL-CURRENT: 382/131; 324/309, 382/274

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

17. Document ID: US 6949928 B2

L29: Entry 17 of 22

File: USPT

Sep 27, 2005

US-PAT-NO: 6949928

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using high-precision coil sensitivity map

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
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Gonzalez Ballester; Miguel Angel	Nice	FR
Machida; Yoshio	Tochigi	JP

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

18. Document ID: US 6876201 B2

L29: Entry 18 of 22

File: USPT

Apr 5, 2005

US-PAT-NO: 6876201

DOCUMENT-IDENTIFIER: US 6876201 B2

TITLE: Magnetic resonance imaging apparatus and method

DATE-ISSUED: April 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takizawa; Masahiro	Chiba			JP
Takahashi; Tetsuhiko	Saitama			JP
Ochi; Hisaaki	Tokyo			JP
Taniguchi; Yo	Tokyo			JP

US-CL-CURRENT: 324/318; 324/319

Full	Title	Citation	Front	Review	Classification	Date	
Reference	Abstract	Claims	Claims	KOMC	Draw. Desc	Image	

19. Document ID: US 6738501 B2

L29: Entry 19 of 22

File: USPT

May 18, 2004

US-PAT-NO: 6738501

DOCUMENT-IDENTIFIER: US 6738501 B2

**** See image for Certificate of Correction ****

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Tan; Guosheng	Waukesha	WI		

US-CL-CURRENT: 382/131; 324/309, 382/172, 382/270, 382/274, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

20. Document ID: US 6724923 B2

L29: Entry 20 of 22

File: USPT

Apr 20, 2004

US-PAT-NO: 6724923

DOCUMENT-IDENTIFIER: US 6724923 B2

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Tan; Guosheng	Waukesha	WI		

US-CL-CURRENT: 382/131; 382/132, 382/218, 382/264, 382/274, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

21. Document ID: US 6717406 B2

L29: Entry 21 of 22

File: USPT

Apr 6, 2004

US-PAT-NO: 6717406

DOCUMENT-IDENTIFIER: US 6717406 B2

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Sodickson; Daniel K. Newton MA

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw. Deso	Image

 22. Document ID: US 6289232 B1

L29: Entry 22 of 22

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Jakob; Peter M. Brookline Village MA

Sodickson; Daniel K. Cambridge MA

Griswold; Mark Brookline MA

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw. Deso	Image

OPTIMUM	878118
OPTIMUMS	874
OPTIMIZATION	179714
OPTIMISATION	13895
OPTIMISATIONS	502
OPTIMIZATIONS	13413
IDEAL	359667
IDEALS	674
IDEALLY	245944
IDEALLIES	0
IDEALLYS	0
(L28 AND ((AUTOMATIC\$4) SAME (OPTIMUM OR OPTIMIZ\$3 OR OPTIMIZATION OR IDEAL OR IDEALLY OR OPTIMAL\$2 OR TRADE-OFF OR TRADEOFF OR "TRADE OFF"))).PGPB,USPT,USOC,EPAB,JPAB,DWPI, TDBD.	22

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